

CLAIMS

WHAT WE CLAIM IS:

1. A polyurethane foam additive formulation comprising at least three components, wherein two of such components consist of at least one benzotriazole and at least one lactone-based antioxidant, and the third is selected from the group consisting of at least one secondary phenyl amine, at least one hindered phenol or BHT derivative, and any mixtures thereof.
2. The polyurethane foam additive formulation of Claim 1 wherein both said secondary phenyl amine and said hindered phenol or BHT derivative are present.
3. A polyol composition comprising at least one polyol component and at least three other components, wherein two of such components consist of at least one benzotriazole and at least one lactone-based antioxidant, and the third is selected from the group consisting of at least one secondary phenyl amine, at least one hindered phenol or BHT derivative, and any mixtures thereof.
4. The polyol composition of Claim 3 wherein both said secondary phenyl amine and said hindered phenol or BHT derivative are present.
5. A method of producing a polyurethane foam article comprising the steps of
 - a) providing a polyol composition;
 - b) providing an isocyanate composition;
 - c) providing the polyurethane foam additive composition of Claim 1; and

d) reacting the compositions from steps “a”, “b”, and “c” together in the presence of a suitable catalyst.

6. A method of producing a polyurethane foam article comprising the steps of

- a) providing a polyol composition;
- b) providing an isocyanate composition;
- c) providing the polyurethane foam additive composition of Claim 2; and
- d) reacting the compositions from steps “a”, “b”, and “c” together in the presence of a suitable catalyst.

7. A method of producing a polyurethane foam article comprising the steps of

- a) providing the polyol composition of Claim 3;
- b) providing an isocyanate composition; and
- c) reacting the compositions from steps “a” and “b” together in the presence of a suitable catalyst.

8. A method of producing a polyurethane foam article comprising the steps of

- a) providing the polyol composition of Claim 4;
- b) providing an isocyanate composition; and
- c) reacting the compositions from steps “a” and “b” together in the presence of a suitable catalyst.

9. A polyurethane foam article comprising the polyurethane foam additive formulation of Claim 1.
10. A polyurethane foam article comprising the polyurethane foam additive formulation of Claim 2.
11. A polyurethane foam article comprising the polyol composition of Claim 3.
12. A polyurethane foam article comprising the polyol composition of Claim 4.
13. A polyurethane foam article produced in accordance with the method of Claim 5.
14. A polyurethane foam article produced in accordance with the method of Claim 6.
15. A polyurethane foam article produced in accordance with the method of Claim 7.
16. A polyurethane foam article produced in accordance with the method of Claim 8.